IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	
Simon CAO	
Application No.: Divisional 10/190,511	Group Art Unit: To be Assigned
Filed: November 24, 2003	Examiner: To be Assigned

For: REFLECTION-TYPE POLARIZATION-INDEPENDENT OPTICAL ISOLATOR, OPTICAL

ISOLATOR/AMPLIFIER/MONITOR, AND OPTICAL SYSTEM

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1.	En	closures	accompanying this Information Disclosure Statement are:
		1a.	Form PTO-1449. Copies of IDS citations. An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report. English language translation (complete or relevant portion(s)) attached to each non-English language publication. Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication. List of Copending Applications (ATTACHMENT 1(f), hereto). List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).
2.		This Infor	mation Disclosure Statement is filed under 37 CFR §1.97(b): (Check either Item 2a or 2b or 2c or 2d)
		2a. 🗌	Within three months of the filing date of a national application other than a
		2b. 🗌	Continued Prosecution Application under § 1.53(d); Within three months of the date of entry of the national stage as set forth in
		2c.	§ 1.491 in an international application. Before the mailing of a first Office Action on the merits; or Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114

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3.		specified Action un	mation Disclosure Statement is filed under 37 CFR § 1.97(c) after the period in paragraph 2 above but before the mailing date of any of a Final Office der § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise osecution in the application, AND (Check either Item 3a or 3b; Item 3b to be checked if
			any reference known for more than 3 months)
		3a. 🔲 3b. 🔲	The §1.97(e) Statement in Item 5 below is applicable; OR The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is: enclosed.
			to be charged to Deposit Account No. 19-3935.
4.		specified 4a.	mation Disclosure Statement is filed under 37 CFR §1.97(d) after the period in paragraph 3 above, but on or before payment of the Issue Fee, AND The § 1.97(e) Statement in Item 5 below is applicable; AND The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is: enclosed.
			to be charged to Deposit Account No. 19-3935.
5.		Statemen	t under § 1.97(e) (applicable if Item 3a or Item 4a is checked) (Check either Item 5a or 5b)
		5a. 🗌	In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this
		5b.	Information Disclosure Statement. In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
6.	\boxtimes	This is a 0 1.53(b).	continuation/divisional/continuation-in-part application under 37 CFR §
			(Check appropriate Items 6a and/or 6b)
		6a. 🛚	Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. 09/09/437,791, filed on November 10, 1999 and co-pending application serial no. 10/190,511, filed July 9, 2002, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to
		6b. 🗌	37 CFR § 1.98(d). Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No, filed on, and

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which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7.			continuation/divisional application under 37 CFR § 1.53(d) or a Request for d Examination under 37 CFR 1.114. (Check either Item 7a or 7b)
		7a. 7b.	The Issue Fee has not been paid. A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A continuation/divisional application under 37 CFR § 1.53(d) or a Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.
8.		This is a	Supplemental Information Disclosure Statement.
			(Check either Item 8a or 8b)
		8a. 🗌	This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS care
		8b. 🗌	be considered as if properly filed on This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR § 1.97 and 1.98, mailed
9.			to be the relevance of each non-English language publication is:
		9a. 🗌	(Check appropriate Items 9a, 9b, 9c and/or 9d) satisfied because all non-English language publications were cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed.)
		9b. 9c.	set forth in the application. satisfied because an English language translation (complete or relevant
		9d. 🗌	portion(s)) is attached to each non-English language publication. enclosed as Attachment 1(e), hereto.
10.	be th	e, material an search	on is made that the information cited in this Statement is, or is considered to to patentability nor a representation that a search has been made (other report(s) from a counterpart foreign application or a PCT International port, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

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11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: 100 V. 24, 2003

1201 New York Ave., N.W., Suite 700

Washington, D.C. 20005 Telephone: (202) 434-1500 Facsimile: (202) 434-1501 By:

Genæ M. Garner II Registration No. 34,172

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FORM PTO-		PATEN	EPARTMENT OF T AND TRADEM	ARK OFFICE	1398.100	1DD		Divisio 10/190	nal	
LIST OF	REF	ERENCES CI	TED BY AP	PLICANT	FIRST NAMED	INVENTOR				
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	AA	5,283,846	02/01/94	Toyonak	a et al.					
	AB	5,606,439	02/25/97	W	u					
	AC	5,768,005	06/16/98	Cheng	et al.					
	AD	5,768,015	06/16/98	Pat	tie					
	AE	6,122,110	11/06/98	Toyonak	a et al.					
	AF	5,912,766	06/15/99	Pat	tie					
	AG	6,088,153	07/11/00	Anthon	et al.					
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OTHER RE	FEREN	NCES (Including	Author, Title,	Date, Pertine	nt Pages,	Etc.)			ANSLA	
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EXAMINER	₹			DATE	CONSIDER	RED				
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 2 APPLICATION NO. ATTORNEY DOCKET NO. FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Div. of 10/190,511 1398.1001DD FIRST NAMED INVENTOR LIST OF REFERENCES CITED BY APPLICANT Simon CAO FILING DATE GROUP ART UNIT (Use several sheets if necessary) November 24, 2003 To be Assigned **U.S. PATENT DOCUMENTS** *EXAMINER DOCUMENT SUB-**FILING** INITIAL NO. **CLASS** DATE DATE NAME **CLASS** BA 4,548,478 10/22/85 Shirasaki BB 4,712,880 12/15/87 Shirasaki BC 5,033,830 07/23/91 Jameson BD 5,499,132 03/12/96 Tojo et al. BE 5,689,360 11/18/97 Kurata et al. BF 5,845,023 12/1998 Lee FOREIGN PATENT DOCUMENTS DOCUMENT SUB-TRANSLATION NO. **CLASS** YES NO **CLASS** DATE COUNTRY BG BH BI BJ BK BL TRANSLATION OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) YES NO BM **EXAMINER** DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LIST OF COPENDING APPLICATIONS

ATTACHMENT 1(f)

ATTORNEY DOCKET NO.

1398.1001DD

Divisional
10/190,511

FIRST NAMED INVENTOR

Simon CAO

FILING DATE

November 24, 2003

To be Assigned

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	10/190,511	07/09/02	Simon CAO	AVANEX CORPORATION
	2				
	3				7
	4				
	5				
	6				
	7				
	8				1

EXAMINER	DATE CONSIDERED				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

LIST OF ADDITIONAL SUBMITTED DOCUMENTS

ATTORNEY DOCKET NO.	APPLICATION NO.
1398.1001DD	Divisional
	10/190,511
FIRST NAMED INVENTOR	!
Simon CAO	
FILING DATE	GROUP ART UNIT
November 24, 2003	To be Assigned

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of any identified copending application(s) is provided.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	6,169,064	01/02/01	Simon X.F. Cao	356	519	02/10/99
	AB	6,310,690 B1	10/30/01	Simon X.F. Cao and Xiaoping Mao	356	519	09/01/99
	AC	6,532,316	03/11/03	Simon Cao			11/10/99
	AD	6,480,331	11/12/02	Simon Cao			11/10/99

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
 AC	EP-0123456-A2	01/2000	EPO (Doe et al.)			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AD	PCT Notification of Transmittal of International Preliminary Examination Report, PCT International Preliminary Examination Report (no mailing date), in corresponding PCT International application No. PCT/US00/39017
	AE	PCT Notification of Transmittal of International Preliminary Examination Report, mailed February 19, 2002, including PCT International Preliminary Examination Report in International Application No. PCT/US0030-916 corresponding to co-pending application U.S. Serial No. 09/438,043 (Now U.S. Patent No. 6,532,316).
EXAMINER		

LIST OF ADDITIONAL SUBMITTED DOCUMENTS

ATTORNEY DOCKET NO.	APPLICATION NO.
1398.1001DD	Div. of 10/190,511
FIRST NAMED INVENTOR	
Simon CAO	
FILING DATE	GROUP ART UNIT
November 24, 2003	To be Assigned

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		TRANSL YES	ATION ! NO
ВА	Kreifeldt, E., "Avanex Emerges with 'Photonic Process' Technology", http://news.fiberopticsonline.com/news-analysis/19990429-1759.html , pp. 1-6, 4/29/99		
ВВ	Written Opinion, mailed August 29, 2001, in International Application No. PCT/US00/30916 (which corresponds to co-pending U.S. Serial No. 09/438,043, now U.S. Patent No. 6,532,316)		
BC	Written Opinion, mailed October 31, 2001, in International Application No. PCT/US00/30917 (corresponding to the above-mentioned U.S. Serial No. 09/437,791, now U.S. Patent No. 6,480,331)		* 3
BD	International Search Report, dated April 4, 2001, for International Application No. PCT/US00/30917 (which corresponds to the abovementioned U.S. Serial No. 09/437,791, now U.S. Patent No. 6,480,331)		
BE	International Search Report, dated March 1, 2001, for International Application No. PCT/US00/30916 (which corresponds to co-pending U.S. Serial No. 09/438,043, now U.S. Patent No. 6,532,316)		
BF	Lee et al., "Bidirectional Wavelength-Selective Optical Isolator", 5 July 2001, ELECTRONICS LETTERS, vol. 37, No. 14, pp. 910-912		

EXAMINER	DATE CONSIDERED
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